

Clark County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/25/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 15 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Clark County economy.¹

These 15 sectors have a total direct output of approximately **\$108.1 million** and support **384 jobs** in Clark County. Running the model for all 15 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Clark County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	384.3	26.91%	\$28,075,652	34.81%	\$108,058,130
Indirect Effect	32.3	2.26%	\$2,107,757	2.61%	\$4,497,841
Induced Effect	35.3	2.48%	\$2,142,770	2.66%	\$4,153,788
Total Effect	452.0	31.65%	\$32,326,178	40.08%	\$116,709,758

As shown in the above table, agriculture, food, and food processing sectors support **452 jobs**, or **31.65%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 15 agriculture, food, and food processing sectors is approximately **\$32.3 million**, or **40.08% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

<https://implanhelptest.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis>

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **300 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Clark County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	299.5	\$70,139,093
Animal production, except cattle and poultry and eggs	18.0	\$3,374,520
Grain farming	15.8	\$10,582,716
Other animal food manufacturing	13.9	\$17,401,274
Veterinary services	12.5	\$1,369,588
Dairy cattle and milk production	8.6	\$3,062,465
Wholesale trade	8.3	\$1,259,653
Securities and commodity contracts intermediation and brokerage	7.0	\$742,199
All other crop farming	6.6	\$920,863
Landscape and horticultural services	5.7	\$371,023

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately **\$70.1 million** to the Clark County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	299.5	\$70,139,093
Other animal food manufacturing	13.9	\$17,401,274
Grain farming	15.8	\$10,582,716
Animal production, except cattle and poultry and eggs	18.0	\$3,374,520
Dairy cattle and milk production	8.6	\$3,062,465
Owner-occupied dwellings	0.0	\$1,377,132
Veterinary services	12.5	\$1,369,588
Wholesale trade	8.3	\$1,259,653
All other crop farming	6.6	\$920,863
Securities and commodity contracts intermediation and brokerage	7.0	\$742,199

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Clark County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	0.1	\$102,864.80
Grain farming	15.8	\$10,582,715.99
Fruit farming	0.4	\$31,134.64
Tree nut farming	0.0	\$2.04
All other crop farming	6.6	\$920,863.21
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	299.5	\$70,139,091.49
Dairy cattle and milk production	8.6	\$3,062,465.43
Poultry and egg production	0.1	\$94,133.46
Animal production, except cattle and poultry and eggs	18.0	\$3,374,519.82
Support activities for agriculture and forestry	1.3	\$138,946.86
Other animal food manufacturing	13.9	\$17,401,273.73
Bread and bakery product, except frozen, manufacturing	0.4	\$47,393.24
Farm machinery and equipment manufacturing	1.4	\$422,112.44
Veterinary services	12.5	\$1,369,588.14
Landscape and horticultural services	5.7	\$371,022.61

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Clark County, the retail sector was omitted.